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(54) Title: TRANSDERMAL SYSTEM FOR SUSTAINED DELIVERY OF POLYPEPTIDES

(57) Abstract: The present invention relates to a transdermal system for sustained delivery of high molecular weight hydrophilic drugs, especially peptide-, polypeptide- or protein-drugs and to methods of use thereof. The system comprises an apparatus that generates micro-channels in the skin of a subject in conjunction with a transdermal patch comprising at least one drug reservoir layer comprising a polymeric matrix and a therapeutic or immunogenic peptide, polypeptide or protein. The system provides sustained delivery of therapeutic or immunogenic agents, thereby achieving sustained therapeutic blood concentrations of these agents.